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J. Gruber

PATENT
DON01 P-770

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art : 2878
Examiner : S. Allen
Applicants : Kenneth Schofield, Mark L. Larson and Keith J. Vadas
Serial No. : 09/441,341
Filing Date : November 16, 1999
For : **VEHICLE HEADLIGHT CONTROL USING IMAGING SENSOR**

162800 MAIL ROOM
DEC - 2002
RECEIVED

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

RESPONSE

Responsive to the Office Action mailed October 2, 2002, Applicants wish to amend the application as follows:

IN THE CLAIMS:

Please replace claims 60, 68, 83, 87, 88 and 95 with the following rewritten claims:

60. (Amended) A control system for automatically controlling the state of the headlamps of a controlled vehicle, said control system comprising:

an optical system for imaging external sources of light within a predetermined field of view, said optical system including an image array sensor containing a plurality of pixels; and

an imaging processing system for processing images from said optical system and providing a control signal for controlling the state of the headlamps as a function of the output of pixels imaging the same spectral band of light, wherein said optical system is further configured to spatially segregate light sources having different spectral compositions on said pixel image array sensor.

68. (Twice Amended) A control system for automatically controlling the state of the headlamps of a controlled vehicle, said control system comprising:

an optical system for imaging external sources of light within a predetermined field of